

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICATION OF: STEVEN G. WALKER, et al.

DATED: July 24, 2003

SERIAL NO.:

EXAMINER:

FILED: Herewith

GROUP ART:

FOR: **SYSTEM AND METHOD FOR DERIVATIVE-FREE OPTIMIZATION OF  
ELECTRICAL CIRCUITS**

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Attached are a PTO-1449 form and copies of listed references for your consideration in  
the prosecution of the application above.

Respectfully submitted,

By: 

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IBM DOCKET NO.: YOR920030303US1

<b>FORM PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>	<b>ATTY. DOCKET NO.</b> YOR9/2003/0303US1	<b>SERIAL NO.</b>
	<b>APPLICANT: STEVEN G. WALKER, ET AL</b>	
	<b>FILING DATE:</b> Herewith	<b>GROUP:</b>

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	AA	5,999,714	12/7/99	Conn, et al	395/500. 03	G06F 9/455	4/7/98

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AC	SNOPT: An SQP Algorithm For Large-Scale Constrained Optimization, by: Philip E. Gill, Walter Murray and Michael A. Saunders, pp. 979-1006
AD	JiffyTune: Circuit Optimization Using Time-Domain Sensitivities, by: Andrew R. Conn, Paula K. Coulman, Ruud A. Haring, Gregory L. Morrill, Chandu Visweswariah, Senior Member, IEEE, and Chai Wah Wu, Member, IEEE
AE	Gradient-Based Optimization of Custom Circuits Using a Static-Timing Formulation, by: A.R. Conn, I.M. Elfadel, W.W. Molzen, Jr., P.R. O'Brien, P.N. Strenski, C. Visweswariah, C.B. Whan, * IBM Thomas J. Watson Research Center, *IBM Electronic Design Automation,
AF	Spice2: A Computer Program To Simulate Semiconductor Circuits by Laurence W. Nagel, Memorandum No. ERL-M520, 9 May 1975, Electronics Research Laboratory College of Engineering, University of California, Berkeley, CA 94720
AG	Direct Search Methods: Once Scorned, Now Respectable*, by: Margaret H. Wright, AT&T Bell Laboratories, Murray Hill, New Jersey 07974
AH	A Derivative Free Optimization in Practice, by: A.R. Conn, IBM, T.J. Watson Center, Yorktown Heights, NY, K. Scheinberg, IBM, T.J. Watson Center, Yorktown Heights, NY Ph. L. Toint, Department of Mathematics, FUNDP, Namur, Belgium, July 7, 1998
AI	Recent Progress in Unconstrained Nonlinear Optimization Without Derivatives, by: A.R. Conn, K. Scheinberg and Ph. L. Toint, April 9, 1997
AJ	SYSTEM AND METHOD FOR OPTIMAL WAVEFORM SHAPING, IBM DOCKET NO. YOR920030022US1

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.